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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/970,971A

DATE: 05/16/2002

TIME: 17:11:09

Input Set : A:\ISIS4789.ST25.txt

Output Set: N:\CRF3\05162002\I970971A.raw

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3 <110> APPLICANT: Manoharan, Muthiah
4   Mohan, Venkatraman
5   Cook, Phillip Dan
6   Kawasaki, Andrew M.
8 <120> TITLE OF INVENTION: Oligonucleotides Having DNA Form and B-DNA Form
Conformational Geometry
10 <130> FILE REFERENCE: ISIS4789
12 <140> CURRENT APPLICATION NUMBER: 09/970,971A
C--> 13 <141> CURRENT FILING DATE: 2002-05-03
15 <160> NUMBER OF SEQ ID NOS: 34
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 12
21 <212> TYPE: RNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Novel Sequence
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34 <213> ORGANISM: 00
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W--> 45 000
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49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
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56 <221> NAME/KEY: misc_feature
57 <222> LOCATION: (20)..(20)
58 <223> OTHER INFORMATION: 3'-O-MOE
61 <220> FEATURE:
62 <221> NAME/KEY: misc_feature
63 <222> LOCATION: (1)..(20)

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RAW SEQUENCE LISTING

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68 atgcattctg cccccaagga                                20
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73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Novel Sequence
79 <220> FEATURE:
80 <221> NAME/KEY: misc_feature
81 <222> LOCATION: (19)..(20)
82 <223> OTHER INFORMATION: 3'-O-MOE
85 <220> FEATURE:
86 <221> NAME/KEY: misc_feature
87 <222> LOCATION: (1)..(20)
88 <223> OTHER INFORMATION: P=S
91 <400> SEQUENCE: 5
92 atgcattctg cccccaagga                                20
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 20
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Novel Sequence
103 <220> FEATURE:
104 <221> NAME/KEY: misc_feature
105 <222> LOCATION: (18)..(19)
106 <223> OTHER INFORMATION: P=O
109 <220> FEATURE:
110 <221> NAME/KEY: misc_feature
111 <222> LOCATION: (1)..(17)
112 <223> OTHER INFORMATION: P=S
115 <220> FEATURE:
116 <221> NAME/KEY: misc_feature
117 <222> LOCATION: (19)..(20)
118 <223> OTHER INFORMATION: 3'-O-MOE
121 <400> SEQUENCE: 6
122 atgcattctg cccccaagga                                20
125 <210> SEQ ID NO: 7
126 <211> LENGTH: 20
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Novel Sequence
133 <220> FEATURE:
134 <221> NAME/KEY: misc_feature
135 <222> LOCATION: (1)..(1)
136 <223> OTHER INFORMATION: 3'-O-MOE

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139 <220> FEATURE:
140 <221> NAME/KEY: misc_feature
141 <222> LOCATION: (20)..(20)
142 <223> OTHER INFORMATION: 3'-O-MOE
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147 <222> LOCATION: (1)..(20)
148 <223> OTHER INFORMATION: P=S
151 <400> SEQUENCE: 7
152 atgcattctg cccccaagga 20
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158 <213> ORGANISM: Artificial Sequence
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161 <223> OTHER INFORMATION: Novel Sequence
163 <220> FEATURE:
164 <221> NAME/KEY: misc_feature
165 <222> LOCATION: (1)..(1)
166 <223> OTHER INFORMATION: 3'-O-MOE
169 <220> FEATURE:
170 <221> NAME/KEY: misc_feature
171 <222> LOCATION: (19)..(20)
172 <223> OTHER INFORMATION: 3'-O-MOE
175 <400> SEQUENCE: 8
176 atgcattctg cccccaagga 20
179 <210> SEQ ID NO: 9
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185 <223> OTHER INFORMATION: Novel Sequence
187 <220> FEATURE:
188 <221> NAME/KEY: misc_feature
189 <222> LOCATION: (1)..(1)
190 <223> OTHER INFORMATION: 3'-O-MOE; P=O
193 <220> FEATURE:
194 <221> NAME/KEY: misc_feature
195 <222> LOCATION: (18)..(19)
196 <223> OTHER INFORMATION: P=O
199 <220> FEATURE:
200 <221> NAME/KEY: misc_feature
201 <222> LOCATION: (19)..(20)
202 <223> OTHER INFORMATION: 3'-O-MOE
205 <220> FEATURE:
206 <221> NAME/KEY: misc_feature
207 <222> LOCATION: (2)..(17)
208 <223> OTHER INFORMATION: P=S
211 <400> SEQUENCE: 9

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RAW SEQUENCE LISTING

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Input Set : A:\ISIS4789.ST25.txt

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221 <223> OTHER INFORMATION: Novel Sequence
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <222> LOCATION: (1)..(2)
226 <223> OTHER INFORMATION: 3'-O-MOE
229 <220> FEATURE:
230 <221> NAME/KEY: misc_feature
231 <222> LOCATION: (19)..(20)
232 <223> OTHER INFORMATION: 3'-O-MOE
235 <220> FEATURE:
236 <221> NAME/KEY: misc_feature
237 <222> LOCATION: (1)..(20)
238 <223> OTHER INFORMATION: P=S
241 <400> SEQUENCE: 10
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250 <220> FEATURE:
251 <223> OTHER INFORMATION: Novel Sequence
253 <220> FEATURE:
254 <221> NAME/KEY: misc_feature
255 <222> LOCATION: (1)..(2)
256 <223> OTHER INFORMATION: 3'-O-MOE; P=O
259 <220> FEATURE:
260 <221> NAME/KEY: misc_feature
261 <222> LOCATION: (18)..(20)
262 <223> OTHER INFORMATION: P=O
265 <220> FEATURE:
266 <221> NAME/KEY: misc_feature
267 <222> LOCATION: (19)..(20)
268 <223> OTHER INFORMATION: 3'-O-MOE
271 <220> FEATURE:
272 <221> NAME/KEY: misc_feature
273 <222> LOCATION: (3)..(17)
274 <223> OTHER INFORMATION: P=S
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282 <211> LENGTH: 12
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence

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TIME: 17:11:09

Input Set : A:\ISIS4789.ST25.txt

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286 <220> FEATURE:
287 <223> OTHER INFORMATION: Novel Sequence
289 <220> FEATURE:
290 <221> NAME/KEY: misc_feature
291 <222> LOCATION: (1)..(12)
292 <223> OTHER INFORMATION: 3'-O-(2-methoxyethyl); P=O
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299 <210> SEQ ID NO: 13
300 <211> LENGTH: 20
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Novel Sequence
307 <220> FEATURE:
308 <221> NAME/KEY: misc_feature
309 <222> LOCATION: (1)..(20)
310 <223> OTHER INFORMATION: P=S
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314 atgcattctg cccccaagga 20
317 <210> SEQ ID NO: 14
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319 <212> TYPE: DNA
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322 <220> FEATURE:
323 <223> OTHER INFORMATION: Novel Sequence
325 <220> FEATURE:
326 <221> NAME/KEY: misc_feature
327 <222> LOCATION: (6)..(6)
328 <223> OTHER INFORMATION: 2'-aminolinker
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332 ggctguctgc g 11
335 <210> SEQ ID NO: 15
336 <211> LENGTH: 19
337 <212> TYPE: DNA
338 <213> ORGANISM: Artificial Sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: Novel Sequence
343 <220> FEATURE:
344 <221> NAME/KEY: misc_feature
345 <222> LOCATION: (16)..(19)
346 <223> OTHER INFORMATION: 3'-O-MOE
349 <220> FEATURE:
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351 <222> LOCATION: (1)..(19)
352 <223> OTHER INFORMATION: P=O
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356 tttttttttt ttttttttt 19
359 <210> SEQ ID NO: 16

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/16/2002
PATENT APPLICATION: US/09/970,971A TIME: 17:11:11

Input Set : A:\ISIS4789.ST25.txt
Output Set: N:\CRF3\05162002\I970971A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 8

VERIFICATION SUMMARY

DATE: 05/16/2002

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TIME: 17:11:11

Input Set : A:\ISIS4789.ST25.txt

Output Set: N:\CRF3\05162002\I970971A.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:37 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (2) SEQUENCE:
L:45 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (3) SEQUENCE:
L:389 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (17) SEQUENCE:
L:397 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (18) SEQUENCE: